	Application No.	Applicant(s)
Notice of Allowability	10/654,376	EGGER ET AL.
	Examiner	Art Unit
	look Chan	2012
	Jack Chen	2813
The MAILING DATE of this communication appears on the cover sheet with the correspondence addressAll claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>9/7/04</u> .		
2. The allowed claim(s) is/are <u>1-9</u> .		
3. The drawings filed on 29 December 2003 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements 		
noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	on's Patent Drawing Review(PTO- s Amendment / Comment or in the C .84(c)) should be written on the drawin	Office action of ngs in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	6. ⊠ Interview Summary Paper No./Mail Da 98), 7. ⊠ Examiner's Amendr	te <u>9/28/04</u> .

DETAILED ACTION

In response to the communication filed on September 7, 2004, claims 1-14 are active in this application.

Oath/Declaration

Oath/Declaration filed on December 29, 2003 has been considered.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gregory S. Gewirtz on September 28, 2004.

The application has been amended as follows:

Cancel claims 10-14.

In the Abstract section, line 14, delete "Fig. 6".

Reasons For Allowance

- 2. Claims 1-9 are allowable over the prior art of record.
- 3. The following is an examiner's statement of reasons for allowance: the prior art of record neither teach nor make obvious the claimed limitation of the instant application as a whole as

recited in claim 1. In particular, the prior art does not teach or suggest the particular subset of the process steps for forming a ferroelectric capacitor by etching the intermediate barrier layer using a second recipe resulting in the formation of a second fence clinging to and structurally supported by the first fence while at the same time etching away a substantial portion of the first fence to remove the structural support provided to the second fence so that the second fence is lifted-off from the sidewalls leaving the sidewalls substantially free of clinging fences.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hornik et al., U.S./6,746,877 B1; Zhuang et al., U.S./6,762,064 B1; Egger et al., U.S. Pub. No. 2004/0150923 A1 and Egger et al., U.S. Pub. No. 2004/0164050 A1 teach the similar processes for forming the device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack Chen whose telephone number is (571)272-1689. The examiner can normally be reached on Monday-Friday (9:00am-6:30pm) alternate Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W Whitehead can be reached on (571)272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jack Chen

Primary Examiner

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